

INFORMATION TECHNOLOGY MAJOR, BS

Campus: NYC, Westchester

Major Completion Summary

Requirement	Credits
University Core Requirements	44-53
Major Requirements	37-39
Free Electives	19-30
Total Credits	120

University Core Requirements (44-53 Credits)

See complete University Core (<http://catalog.pace.edu/undergraduate/university-core-curriculum/>) requirements.

Includes several of the major-required courses listed below:

Code	Title	Credits
Foundation Requirements		
MAT 104	Finite Mathematics	3
CIT 110	Introduction to Information Technology	3
Areas of Knowledge		
Two courses for each of the four Areas of Knowledge ¹		24

¹ Including MAT 117 Elementary Statistics

Major Requirements (37-39)

Code	Title	Credits
Foundation Courses: (27 credits, including 3 credits LAS)		
CIT 110	Introduction to Information Technology	3
CIT 211	Platform Technologies and Architecture	4
CIT 221	Global Networking Technology	4
CIT 241	Database Management	4
CIT 251	Computer Security Overview	4
CIT 261	Introduction to Coding Using Python	4
CIT 471 or CIT 481	Information Technology Internship Capstone in Information Technology	4
IT Concentrations (12 Credits)		
Select one concentration		12
<i>Cybersecurity Concentration</i>		
CIT 361	Digital Forensics Overview	
CIT 352	Network and Internet Security	
CIT 356	Operating Systems Concepts	
<i>Software Development Concentration</i>		
CS 113	Mathematical Structures for Computer Science	
CIT 262	Advanced Coding in Python or CS 122	
CIT 342	Systems Design and User Experience	
<i>Data Analytics and Information Management Concentration</i>		
CIT 342	Systems Design and User Experience	
CIT 346	Database Programming	
CIT 348	Data Mining	
<i>Digital Forensics Concentration</i>		
CIT 361	Digital Forensics Overview	
CIT 363	Computer Forensics, Cyber Law and Evidence Admissibility	

CIT 365	Mobile Device Forensics
<i>Design a Concentration</i>	
Minimum of 3 CS, CIT, or IS courses	
Examples: Networking, Artificial Intelligence, User Interface Design Requires approval of department chair	
<i>Interdisciplinary Focus (9 credits)</i>	
Choose second IT Concentration or design a 3 course sequence at 200 level or higher from any discipline	
Total Credits	39

Free Electives (19-30 Credits)

Code	Title	Credits
Free Electives		
Select 19-30 credits ¹		19-30
Total Credits		19-30

¹ UNV 101 First-Year Seminar: Introduction to University Community is required for all new freshmen.

Note: ENG 105C Composition and Rhetoric, MAT 100 Fundamental Mathematics, and MAT 103 Algebra cannot be used towards the 120 credits for graduation .

Course	Title	Credits
First Year		
Fall		
UNV 101	First-Year Seminar: Introduction to University Community	1
CIT 110	Introduction to Information Technology	3
MAT 103 or MAT 104	Algebra or Finite Mathematics	3
ENG 110	Composition	3
Learning Community		6
Credits		16
Spring		
CIT 211	Platform Technologies and Architecture	4
CIT 241	Database Management	4
MAT 104 or MAT 117	Finite Mathematics or Elementary Statistics	3
ENG 120	Critical Writing	4
AOK/ARE Course		3
Credits		18
Second Year		
Fall		
CIT 221	Global Networking Technology	4
CIT 261	Introduction to Coding Using Python	4
MAT 117	Elementary Statistics	3
AOK/ARE Course		3
Language 1		3
Civic Engagement		3
Credits		20
Spring		
CIT 251	Computer Security Overview	4
ENG 201	Writing in the Disciplines	3
Language 2		3
Lab Science		3
AOK/ARE Course		3
Credits		16

Third Year**Fall**

COM 200	Public Speaking	3
IT Concentration Course		3-4
Minor or Elective Course		3
AOK/ARE Course		3
Credits		12-13

Spring

Advanced CIT Courses		3-4
Choose 2 major electives or minor courses		4
AOK/ARE Course		6
Credits		13-14

Fourth Year**Fall**

Advanced elective course in CIT		3-4
Choose 2 major electives from the curriculum tab		6
AOK/ARE Course		3
Credits		12-13

Spring

CIT 471 or CIT 481	Information Technology Internship or Capstone in Information Technology	4
Choose 3 major electives from the curriculum tab		6-8
AOK/ARE Course		3
Credits		13-15
Total Credits		120-125